



## Insulation Type P

### BHE Protective Cooling Insulation

#### Description

Prefabricated insulation jacket with 19 mm thickness closed cell expanded elastomer and with 0,5 mm external PVC protection layer.

The diffusion tight insulation is intended for Alfa Laval brazed plate heat exchangers and is suitable for cooling and low temperatures.

The insulation Type P is developed with focus on Refrigeration applications. Nevertheless, it is also proper for suitable Comfort BHE as well as AlfaNova units.

It is available on DC-stock for all CB26, CB/CBH27, AC/ACH30, CB52, AC/ACH50, AC/ACH120 stocked BHE units.

Max temperature: 100°C

Min temperature: -45°C

The insulation kit is composed by three parts: one lateral and two back and front pieces together with an installation manual.

#### Advantages

- Easy to install
- Nice appearance
- Protective against mechanical wear and UV-radiation
- It can be mounted to the BHE also after the refrigeration connections have been mounted, thanks to the pre-cut S3 and S4 holes
- It is available on DC stock
- Suitable for 6 connection BHE thanks to the pre-cut T1 and T2 holes
- Suitable also for AC/ACH120 with rigid feet mounted.
- On the Refrigeration Pricelist there are the Type P insulation items corresponding to each stocked BHE

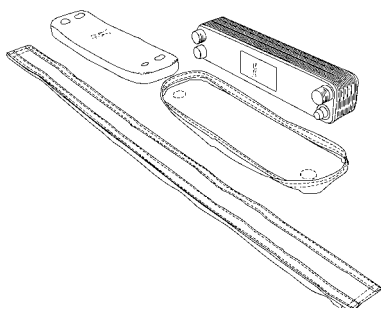


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Properties	Reference values	Reference regulation
<b>Density</b>	$\leq 60 \text{ kg/m}^3$	DIN 53420
<b>Working temperatures</b>		
Max temperature	+ 100°C	
Minimum temperature	- 45 °C	
<b>Thermal conductivity <math>\lambda</math></b>		
- 40 °C	0,028 W/(m·K)	DIN 56613
- 20 °C	0,030 W/(m·K)	DIN 56613
0 °C	0,033 W/(m·K)	DIN 56613
+ 20 °C	0,036 W/(m·K)	DIN 56613
+ 50 °C	0,040 W/(m·K)	DIN 56613
<b>Permeability</b>		
Resistance to the steam diffusion $\mu$	> 7000	DIN 52615
<b>Fire resistance</b>		
Italy	Class 1	UNI 9174 - UNI 8457
France	Class M1	AFNOR NF P92 501
Sweden	Klass II	NT F 036
Norway	Klass II	NTF 036
Finland	Klass II	NTF 036
Finland	Klass 1	NTF 002
Switzerland	BKZ	-
<b>Ozone resistance</b>		
	Excellent	UNI 4905
<b>Dimensional stability</b>		
	0,3% - 0.5% shrinkage	

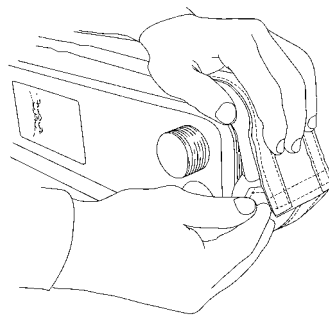
### Complete Insulation Type P Set

An installation manual is also included in the set



### Easy to install

It is not needed to use special tools



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Alfa Laval reserves the right to change specifications without prior notification.

### How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit [www.alfalaval.com](http://www.alfalaval.com) to access the information direct